ECAT Chemistry Chapter 23 Aldehydes and Ketones

Sr	Questions	Answers Choice
1	Dehydration of allcohol gives:	A. Alkane B. Alkene C. Aldehyde D. ketone
2	Cannizzaro's reaction in not given by	A. Formaldehyde B. Acetaldehyde C. Benzaldyhyde D. Trimethylacetaldehyde
3	The catalytic prmoter used for the industrial preparation of acetaldehyde is	A. PdCl₂ B. CuCl₂ C. Pd + CaCl₂ D. None of these
4	Reaction of Grignard's reagent eith aldehyds other formaldehyde gives: Reaction of Grignard's reagent with formaldehyde gives:	A. Pri-alcohol B. Sec-alcohol C. Ter-alcohol D. Carboxylic
5	On adding sodium nitroprusside ketones give	A. Red B. Wine red C. White D. Orange
6	Formula of acetone is:	A. HCHO B. CH₃CHO C. CH₃OCH₃ D. CH₃OC₂H₅
7	Wolf-kishner reduction is used for the reduction of	A. Nitro compounds B. Carboxylic acids C. Carbonyl compounds D. Olefins
8	In carboxyl group the bond between C and oxygen is:	A. Sigma bond B. Single bond C. Double Bond D. Triple bond
9	Which reaction is of condensation or addition elimination reaction?	A. Ketol B. Aldol C. Cannizzaro D. All of these
10	Question Image	A. Treatment with HCN followed by acid hydrolysis B. Oxidation of acetaldehyde followed by basic hydrolysis C. Treatment with HCN followed by reduction D. Treatment with HCN followed by oxidation
11	Which of the following reagent will react with both aldehyde and ketones?	A. Grinard's reagent B. Tollen's reagent C. Fehling's reagent D. Benedict's reagent
12	Formalin is an aqueous solution of	A. Furfural B. Fluorescein C. Formaldehyde D. Formic acid
13	C_2H_5CHO and $(CH_3)_2CO$ can be distunguished by testing with	A. Phenyl hydrazine B. Hydroxylamine C. Fehling solution D. Sodium bisulphate
14	Clemensen's reduction of ketones is carried out in	A. H₂with Pd catalyst B. Glycol with KOH C. LiAlH₄in water D. Zn-Hg with conc. HCl
15	Acetone reacts with HCN to form a cyanohydrin. It is an example of	A. Electrophilic addition B. Electrophilic substitution C. Nucleophilic addition

		D. Nucleophilic substitution
16	A compound possessingα-hydrogen atom, in the presence of dilute alkali formsβ-hydroxy aldehyde. This product on heating with dilute acid forms an unsaturated crotonaldehyde. The compound is	A. CH₃CHO B. CH₃CH₂CHO C. CH₂= CH - CHO D. HC = C - CHO
17	The carbon of a carbonyl group is:	A. sp hybridized B. sp²hybridized C. sp³Hybidized D. None of these
18	What is formed when propanone is refluxed with an anhydrous solution of $NaBH_4$	A. Propanal B. Propan-1-ol C. Propan-2-ol D. Propane
19	Which of the following will have the highest boiling point	A. Methanol B. Ethanol C. Propanal D. 2-hexanone
20	Which of the following reactions is used for detecting presence of carbonyl group?	A. Reaction with hydroxylamine B. Reaction with hydrazine C. Reaction with phenyl hydrazine D. All